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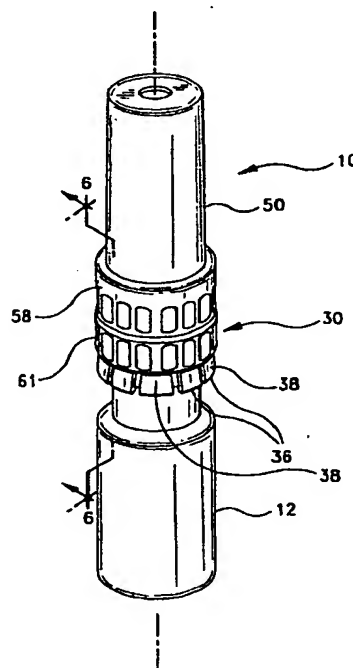
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(54) An improved vial connector assembly for a medicament container

(57) A connector assembly (10) provided for efficient flow of liquid into and/or out of a vial, such as a vial (12) containing a lyophilized drug. The connector assembly features a collar (30) mountable to the rim of the vial in a locked position and thereafter removable by an end-user when disposal of the device is desired. A protective cap (50) mountable over the collar includes an annulus-type ring (61) at its proximal end which mounts over locking structure associated with the collar. The ring is secured to the protective cap via one or more user-severable connections. As the cap is urged proximally, the ring places the collar in the locked position with the vial rim, exerting an inwardly-directed force onto the locking structure to secure the collar to the vial rim. The cap (50) can be separated from the ring (61) at its user-severable connections, and the device used in its ordinary matter. When disposal is desired, the ring may be urged proximally out of engagement with the locking structure of the collar. The collar (30) may thereafter be removed from the vial to facilitate separate disposal of those components.

FIG-5



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
P, X	WO 97 10156 A (BIODOME ; ANEAS ANTOINE (FR)) * the whole document *	1-3, 5-15	A61J1/20
A	EP 0 161 797 A (KOPFER RUDOLPH J ; SMITH ROBERT E (US)) * page 12, line 22 - line 31; figures *	1, 8	
A	US 4 624 393 A (LOPEZ) * the whole document *	1, 8	
A, D	US 5 358 501 A (MEYER GABRIEL) * figure 1 *	1, 8	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			A61J B65D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 1 April 1998	Examiner Godot, T
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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